

Pilot operated check,
pilot to open
Common cavity, Size 10

VSON-10A

04.33.05 - X - 85 - Z

RE 18319-31

Edition: 07.2021

Replaces: 09.2019

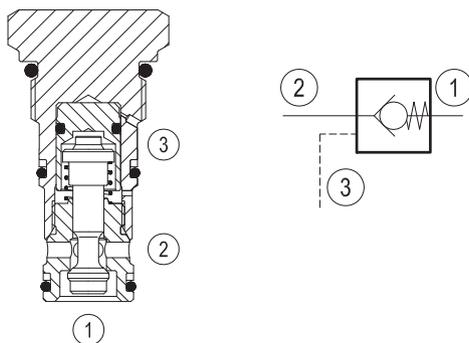


Technical data

Max. operating pressure	350 bar (5000 psi)
Max. flow	60 l/min. (16 gpm)
Pilot ratio	3.2:1
Max. internal leakage	5 drops/min.
Fluid temperature range	-30 to 100 °C (-22 to 212 °F)
Installation torque	41 - 47 Nm (30 - 35 ft-lbs)
Weight	0.12 kg (0.27 lbs)
Cavity	CA-10A-3C (see data sheet 18325-70)
Lines bodies and standard assemblies	Please refer to section "Hydraulic integrated circuit" or consult factory
Seal kit ¹⁾ - Buna	Code: RG10A9010520100 material no: R901111367
Seal kit ¹⁾ - Viton	Code: RG10A9040520100 material no: R930006366
Fluids	Mineral-based or synthetics with lubricating properties at viscosities of 5 to 800 mm ² /s (cSt)
Recommended degree of fluid contamination	Nominal value max. 10µm (NAS 8) / ISO 4406 20/18/15
Installation position	No restrictions
MTTFD	150 years see RE 18350-51
Other Technical Data	See data sheet 18350-50

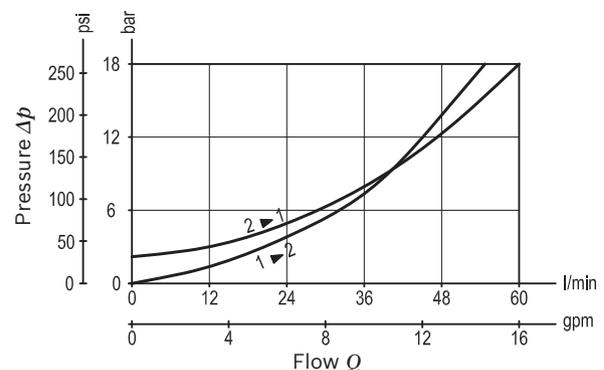
Description

When pressure at 2 rises above the spring bias pressure, the poppet is pushed from its seat and flow is allowed from 2 to 1. The valve is normally closed (checked) from 1 to 2. When sufficient pilot pressure is present at port 3, the pilot piston acts to push the poppet from its seat and flow is allowed from 1 to 2. Precision machining and hardening processes allow virtually leak-free performance in the checked condition. In case of valve application in redundancy systems it is especially recommended to use version with sealed pilot piston.



1) Only external seals for 10 valves

Characteristic curve



Ordering code

04.33.05	X	85	Z	*0	*
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Pilot operated check, pilot to open

O-Ring on pilot piston

00 No O-Ring

10 With O-Ring

85 Common cavity, Size 10

Series 0/A to L
unchanged performances and dimensions

V= version Viton
0= version Buna

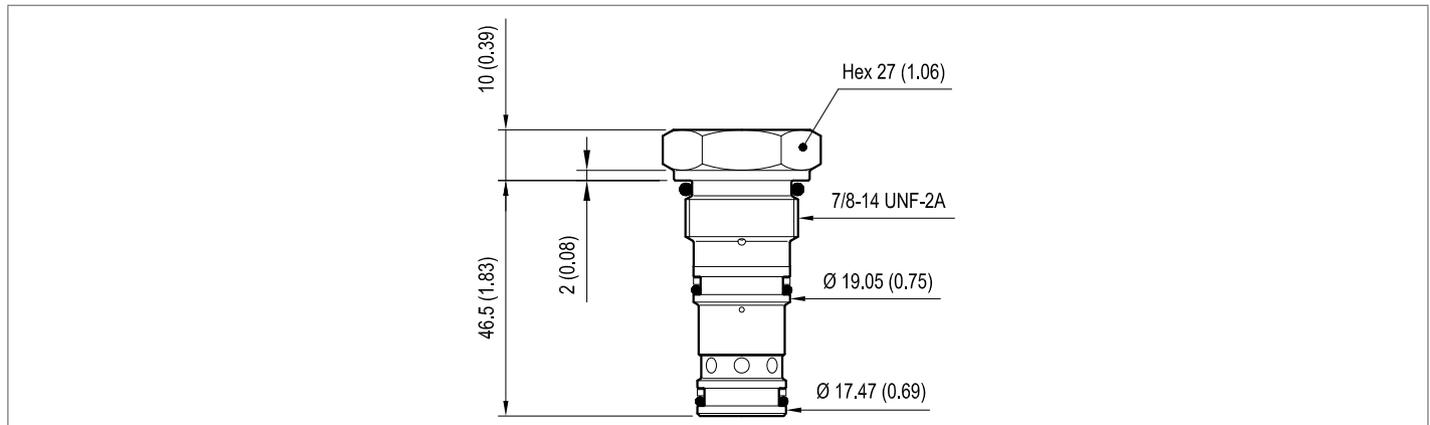
SPRINGS	
Cracking pressure bar (psi)	
00	2 (30)

Preferred types

Type	Material number
04330500850000A	R901106629
04330510850000A	R901106632
043305108500V00	R930006365

Type	Material number

Dimensions



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